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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:04:44 ON 31 MAY 2005

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 11:05:05 ON 31 MAY 2005

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FILE COVERS 1907 - 31 May 2005 VOL 142 ISS 23

FILE LAST UPDATED: 30 May 2005 (20050530/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> isocyanate

61223 ISOCYANATE

20834 ISOCYANATES

L1 69304 ISOCYANATE

(ISOCYANATE OR ISOCYANATES)

=> ketenimine

678 KETENIMINE

498 KETENIMINES

L2 845 KETENIMINE

(KETENIMINE OR KETENIMINES)

=> l1 and l2

L3 50 L1 AND L2

=> l1(l)l2

L4 36 L1(L)L2

=> d l4 26-36 ti

L4 ANSWER 26 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN

TI Reaction between phosphonium ylides and **isocyanates**, a convenient route to **ketenimines**

L4 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN

TI Chemistry of a ketene-sulfur dioxide adduct. II. Reactions with heterocumulenes

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	19	MAY 23	GBFULL enhanced with patent drawing images
NEWS	20	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	21	MAY 26	STN User Update to be held June 6 and June 7 at the SLA 2005 Annual Conference
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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L4 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Fluoroketenes. VIII. Adducts of perfluoromethacryloyl fluoride with unsaturated molecules. N-Alkyl-bis(trifluoromethyl)ketenimines

L4 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Cycloaddition of **isocyanates** to **ketenimines**. Formation of 4-iminoazetidin-2-one derivatives

L4 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Photodecarbonylation of  $\beta$ -styryl isocyanates

L4 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Polyureas

L4 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Ketenes. XIII. Reactions of ketenes with heterocumulenes

L4 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Azetidinecarbonyl fluorides and oxazin-2-ones

L4 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Phosphoramidate anions. The preparation of carbodiimides, **ketenimines**, **isocyanates**, and isothiocyanates

L4 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Phosphoramidate anions. The preparation of carbodiimides, **ketenimines**, and isothiocyanates

L4 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Ketenes. XXXVII. Ketenimine derivatives

=> ?diamine

L5 180245 ?DIAMINE

=> l4 and l5

L6 2 L4 AND L5

=> d l6 1-2 ti fbib abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Chemistry of a ketene-sulfur dioxide adduct. II. Reactions with heterocumulenes  
 AN 1973:466333 CAPLUS  
 DN 79:66333  
 TI Chemistry of a ketene-sulfur dioxide adduct. II. Reactions with heterocumulenes  
 AU Bohen, Joseph M.; Joullie, Madeleine M.  
 CS Dep. Chem., Univ. Pennsylvania, Philadelphia, PA, USA  
 SO Journal of Organic Chemistry (1973), 38(15), 2652-7  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 GI For diagram(s), see printed CA Issue.  
 AB The reaction of **ketenimines** with ketene in anhydrous liquid SO<sub>2</sub> gave 1,2-oxathian-4-one 2-oxides (I, R = Ph, p-MeC<sub>6</sub>H<sub>4</sub>, p-BrC<sub>6</sub>H<sub>4</sub>, p-MeSC<sub>6</sub>H<sub>4</sub>, p-MeSO<sub>2</sub>C<sub>6</sub>H<sub>4</sub>). The structures were verified by chemical and spectral methods. p-Tolylsulfonyl **isocyanate** reacted with ketene in liquid SO<sub>2</sub> to give N-(p-tolylsulfonyl)-3-thiazolidine-2,4-dione 1,1-dioxide. 2,1,5-Benzothiadiazepin-4-one 2-oxides (II, R<sub>1</sub>, R<sub>4</sub> = H, R<sub>2</sub>, R<sub>3</sub> = Me; R<sub>1</sub>, R<sub>4</sub> = MeO, R<sub>2</sub>, R<sub>3</sub> = H) were obtained from the corresponding o-**phenylenediamine**, ketene, and SO<sub>2</sub>. The mechanisms of these

reactions involve a ketene-SO<sub>2</sub> adduct as a common intermediate. This reactive species was isolated and intercepted at low temps. Ketene also reacted with N-sulfinylaniline to give N-phenyl-1,2-thiazetidin-3-one 1-oxide.

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

TI Polyureas

AN 1972:46860 CAPLUS

DN 76:46860

TI Polyureas

PA General Mills, Inc.

SO Brit. Amended, 7 pp.

CODEN: BSXXAH

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	GB 1073209		19700421	US	19650601

AB Ketimines, prepared by treating a primary amine with a ketone, react with a polyisocyanate in the presence of moisture to give polyureas useful for preparing adhesives and coatings. Triethylenetetramine was condensed with methyl isobutyl ketone, 3.8 parts of the ketimine obtained were mixed with 15 parts dimeryl isocyanate (I), and applied on tin or glass substrates to give tack free films. The other ketimines used were prepared from iso-BuCOMe and N,N-diaminopropyl stearylamine [1555-70-0], iminobispropylamine [56-18-8], or methyliminobispropylamine [105-83-9]. Mondur CB [26980-34-7] and I-polyester diol prepolymers were used with the ketimines for preparing the polyureas.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	23.49	23.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.46	-1.46

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:16:53 ON 31 MAY 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'CAPLUS' AT 11:48:17 ON 31 MAY 2005

FILE 'CAPLUS' ENTERED AT 11:48:17 ON 31 MAY 2005

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	23.49	23.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.46	-1.46

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	23.94	24.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.46	-1.46

FILE 'REGISTRY' ENTERED AT 11:48:40 ON 31 MAY 2005  
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Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAY 2005 HIGHEST RN 851364-46-0  
 DICTIONARY FILE UPDATES: 29 MAY 2005 HIGHEST RN 851364-46-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

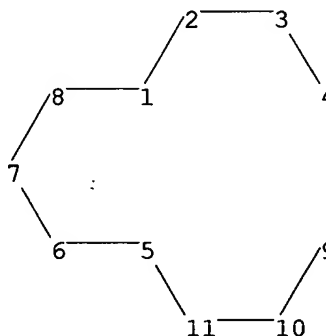
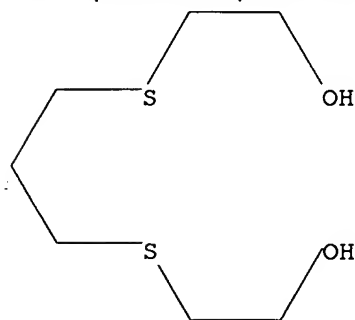
Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

\*\*\*\*\*  
 \*  
 \* The CA roles and document type information have been removed from \*  
 \* the IDE default display format and the ED field has been added, \*  
 \* effective March 20, 2005. A new display format, IDERL, is now \*  
 \* available and contains the CA role and document type information. \*  
 \*  
 \*\*\*\*\*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
 information enter HELP PROP at an arrow prompt in the file or refer  
 to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
 Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary  
 files\10272128\10272128 formula V.str



```

chain nodes :
1  2  3  4  5  6  7  8  9  10  11
chain bonds :
1-2  1-8  2-3  3-4  5-11  5-6  6-7  7-8  9-10  10-11
exact/norm bonds :
1-2  1-8  3-4  5-11  5-6  9-10
exact bonds :
2-3  6-7  7-8  10-11

```

G1:O,OH,NH

Match level :

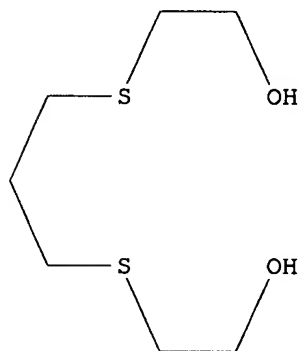
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS

L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR

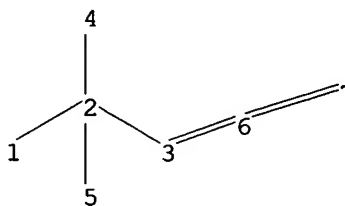
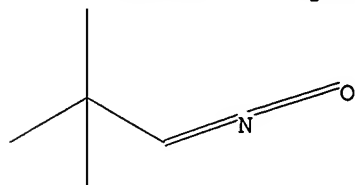


G1 O,OH,NH

Structure attributes must be viewed using STN Express query preparation.

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary  
files\10822768 isocyanate.str



```

chain nodes :
1  2  3  4  5  6  7
chain bonds :
1-2  2-3  2-4  2-5  3-6  6-7
exact/norm bonds :
3-6  6-7
exact bonds :

```

1-2 2-3 2-4 2-5

Hydrogen count :

4:>= minimum 3 5:>= minimum 3

Match level :

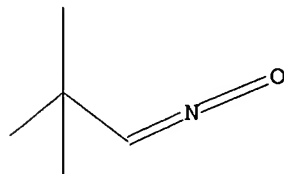
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 18 sss full

FULL SEARCH INITIATED 11:50:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 12550 TO ITERATE

100.0% PROCESSED 12550 ITERATIONS

44 ANSWERS

SEARCH TIME: 00.00.01

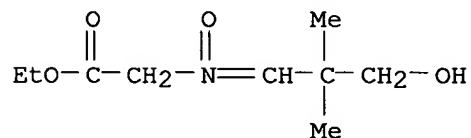
L9 44 SEA SSS FUL L8

=> d scan

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Glycine, N-(3-hydroxy-2,2-dimethylpropylidene)-, ethyl ester, N-oxide  
(9CI)

MF C9 H17 N O4



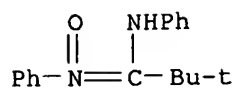
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

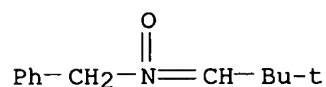
IN Nitron, α-anilino-α-tert-butyl-N-phenyl-, monohydrochloride  
(8CI)

MF C17 H20 N2 O . Cl H



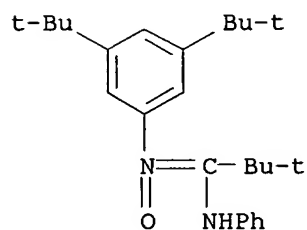
● HCl

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Benzenemethanamine, N-(2,2-dimethylpropylidene)-, N-oxide (9CI)  
 MF C12 H17 N O



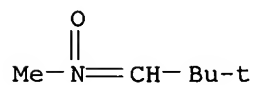
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Nitron,  $\alpha$ -anilino- $\alpha$ -tert-butyl-N-(3,5-di-tert-butylphenyl)-  
 (8CI)  
 MF C25 H36 N2 O  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Methanamine, N-(2,2-dimethylpropylidene)-, N-oxide, (Z)- (9CI)  
 MF C6 H13 N O

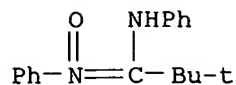


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Propanimidamide, 2,2-dimethyl-N,N'-diphenyl-, N'-oxide (9CI)  
 MF C17 H20 N2 O

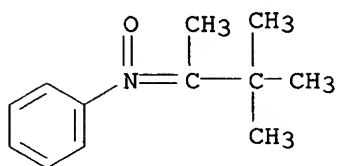


CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

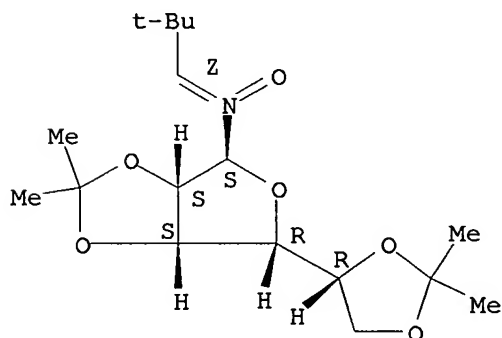
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Benzenamine, N-(1,2,2-trimethylpropylidene)-, N-oxide (9CI)  
MF C12 H17 N O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

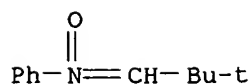
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN  $\alpha$ -D-Mannofuranosylamine, N-(2,2-dimethylpropylidene)-2,3:5,6-bis-O-(1-methylethylidene)-, N-oxide, [N(Z)]- (9CI)  
MF C17 H29 N O6

Absolute stereochemistry. Rotation (+).  
Double bond geometry as shown.



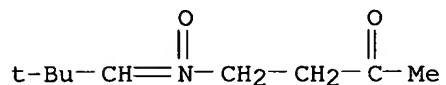
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Benzenamine, N-(2,2-dimethylpropylidene)-, N-oxide (9CI)  
MF C11 H15 N O



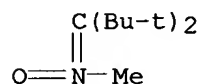
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 2-Butanone, 4-[(2,2-dimethylpropylidene)oxidoamino]- (9CI)  
 MF C9 H17 N O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

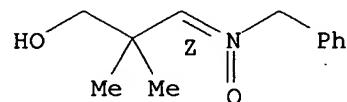
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Methanamine, N-[1-(1,1-dimethylethyl)-2,2-dimethylpropylidene]-, N-oxide (9CI)  
 MF C10 H21 N O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

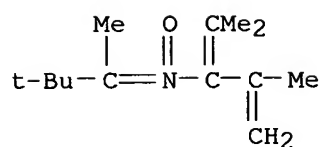
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 1-Propanol, 2,2-dimethyl-3-[oxido(phenylmethyl)imino]-, (3Z)- (9CI)  
 MF C12 H17 N O2

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

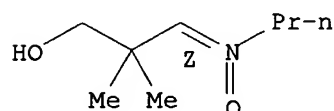
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 1,3-Pentadien-3-amine, 2,4-dimethyl-N-(1,2,2-trimethylpropylidene)-, N-oxide (9CI)  
 MF C13 H23 N O  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

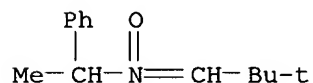
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 1-Propanol, 2,2-dimethyl-3-(oxidopropylimino)-, (3Z)- (9CI)  
 MF C8 H17 N O2

Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

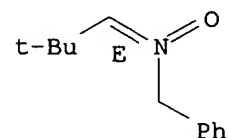
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Benzenemethanamine, N-(2,2-dimethylpropylidene)- $\alpha$ -methyl-, N-oxide,  
 [S-(Z)]- (9CI)  
 MF C13 H19 N O



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Benzenemethanamine, N-(2,2-dimethylpropylidene)-, N-oxide, [N(E)]- (9CI)  
 MF C12 H17 N O

Double bond geometry as shown.



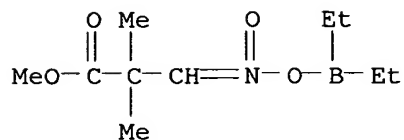
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Propanoic acid, 3-[(diethylboryl)-aci-nitro]-2,2-dimethyl-, methyl ester,  
 dimer (9CI)

MF (C10 H20 B N O4)2

CI PMS

CM 1



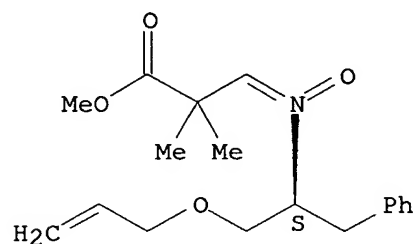
L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Propanoic acid, 2,2-dimethyl-3-[oxido[(1S)-1-(phenylmethyl)-2-(2-propenyloxy)ethyl]imino]-, methyl ester (9CI)

MF C18 H25 N O4

Absolute stereochemistry.

Double bond geometry unknown.

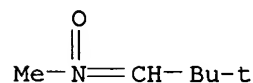


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Methanamine, N-(2,2-dimethylpropylidene)-, N-oxide (9CI)

MF C6 H13 N O



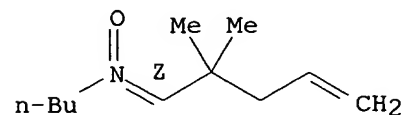
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 1-Butanamine, N-(2,2-dimethyl-4-pentenylidene)-, N-oxide, (Z)- (9CI)

MF C11 H21 N O

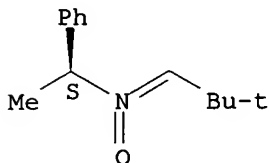
Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L9 44 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Benzenemethanamine, N-(2,2-dimethylpropylidene)- $\alpha$ -methyl-, N-oxide,  
(S)- (9CI)  
MF C13 H19 N O

Absolute stereochemistry.

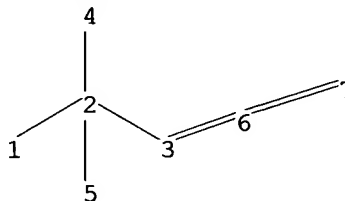
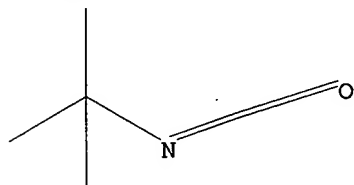


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary  
files\10822768\10822768 isocyanate correct.str



chain nodes :

1 2 3 4 5 6 7

chain bonds :

1-2 2-3 2-4 2-5 3-6 6-7

exact/norm bonds :

2-3 3-6 6-7

exact bonds :

1-2 2-4 2-5

Hydrogen count :

4:>= minimum 3 5:>= minimum 3

Match level :

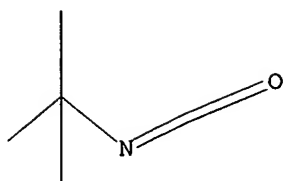
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L10 STRUCTURE UPLOADED

=> d 110

L10 HAS NO ANSWERS

L10 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l10 sss sam

SAMPLE SEARCH INITIATED 11:54:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6388 TO ITERATE

15.7% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 122969 TO 132551

PROJECTED ANSWERS: 54649 TO 61101

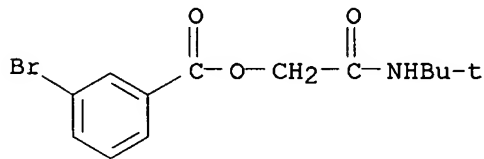
L11 50 SEA SSS SAM L10

=> d scan

L11 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Benzoic acid, 3-bromo-, 2-[(1,1-dimethylethyl)amino]-2-oxoethyl ester  
(9CI)

MF C13 H16 Br N O3

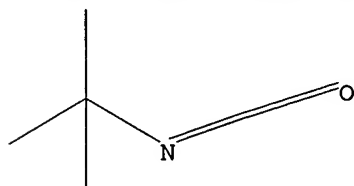


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

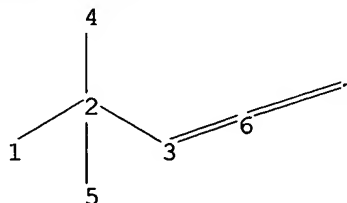
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary  
files\10822768\10822768 isocyanate correct fixed H.str



:



chain nodes :

1 2 3 4 5 6 7  
chain bonds :  
1-2 2-3 2-4 2-5 3-6 6-7  
exact/norm bonds :  
2-3 3-6 6-7  
exact bonds :  
1-2 2-4 2-5

Hydrogen count :  
3:>= minimum 0 4:>= minimum 3 5:>= minimum 3 6:>= minimum 0  
Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L12 STRUCTURE UPLOADED

=> search l12 sss sam  
SAMPLE SEARCH INITIATED 11:57:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 6388 TO ITERATE

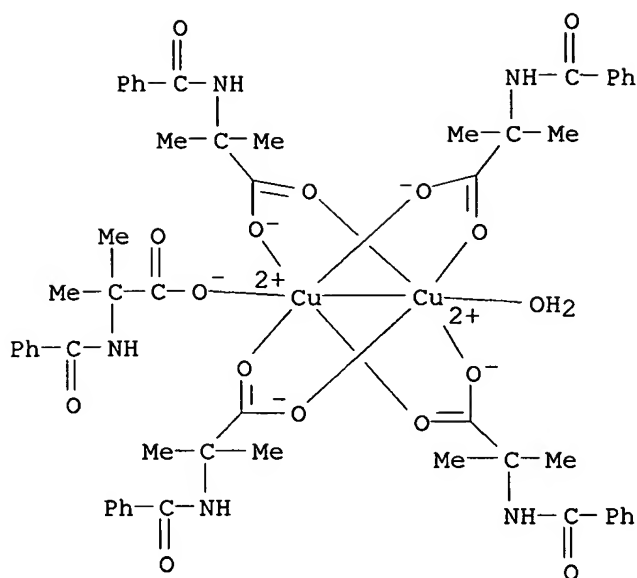
15.7% PROCESSED 1000 ITERATIONS 50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 122969 TO 132551  
PROJECTED ANSWERS: 54649 TO 61101

L13 50 SEA SSS SAM L12

=> d scan

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
IN Cuprate(1-), aquatetrakis[ $\mu$ -(N-benzoyl-2-methylalaninato- $\kappa$ O: $\kappa$ O'))(N-benzoyl-2-methylalaninato- $\kappa$ O)di-, (Cu-Cu)  
(9CI)  
MF C55 H62 Cu2 N5 O16  
CI CCS, COM

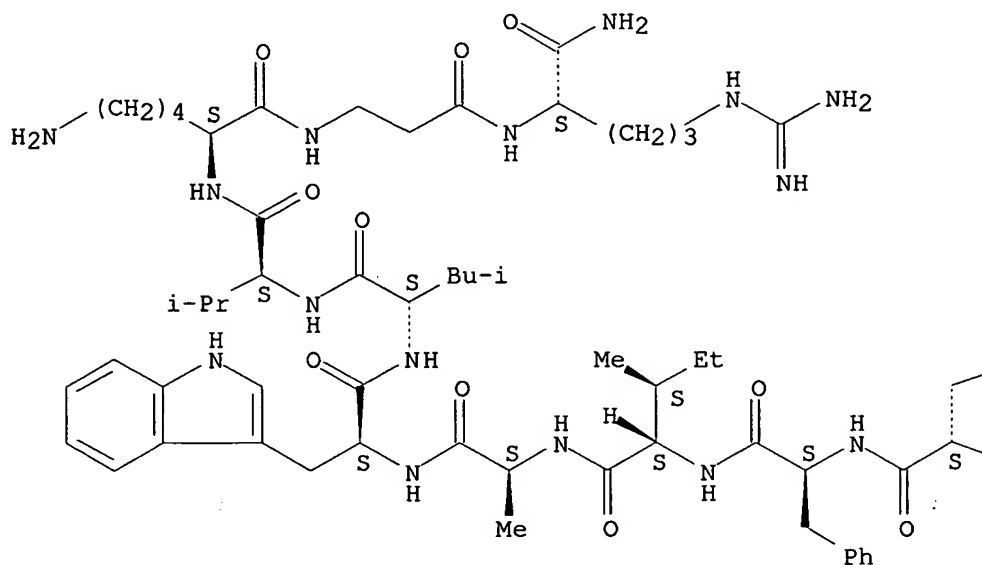


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

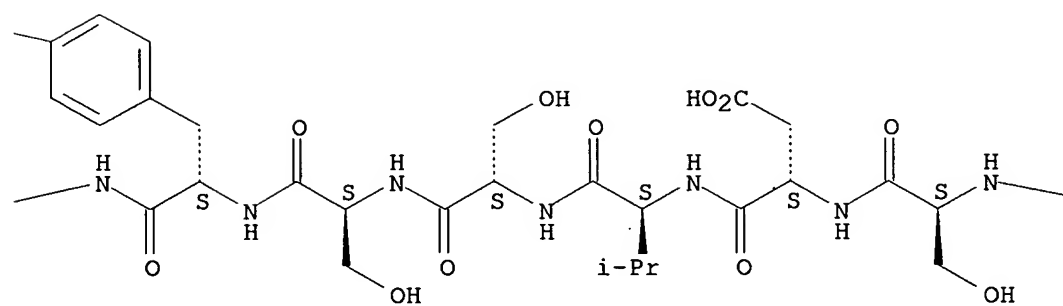
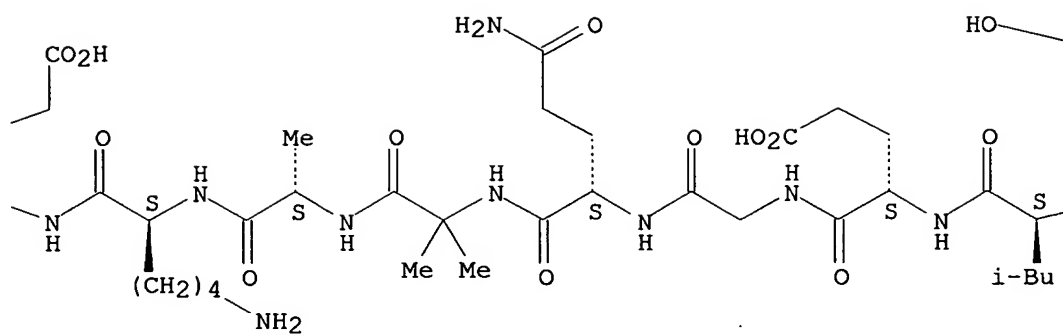
L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN L-Argininamide, L-histidyl-L-seryl-L- $\alpha$ -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L- $\alpha$ -aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L- $\alpha$ -glutamylglycyl-L-glutamyl-L-2-methylalanyl-L-alanyl-L-lysyl-L- $\alpha$ -glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-lysyl- $\beta$ -alanyl- (9CI)  
 SQL 30  
 MF C151 H230 N40 O46

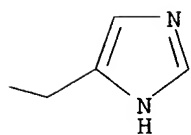
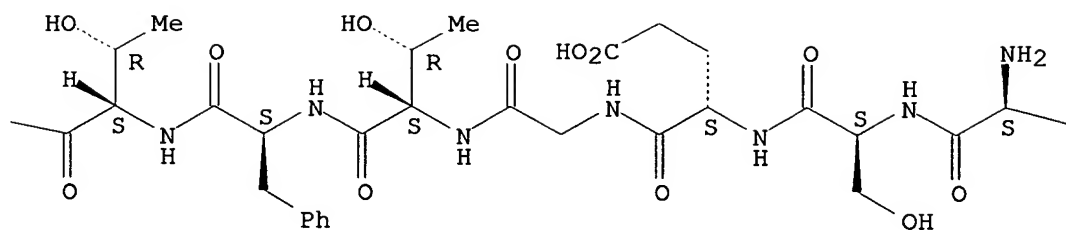
Absolute stereochemistry.

PAGE 1-A



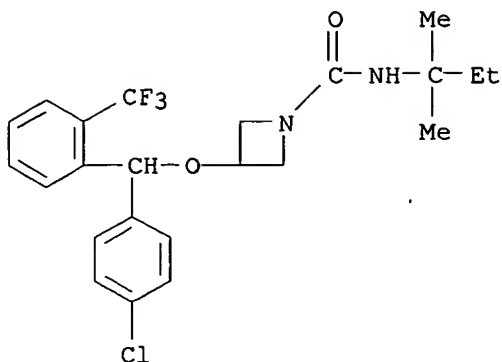






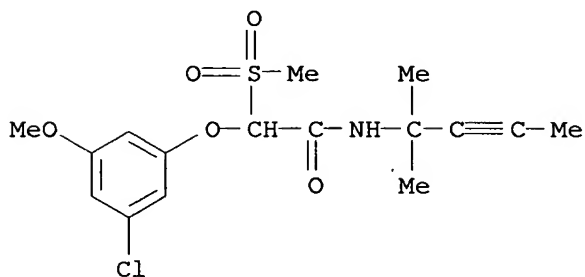
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 1-Azetidinecarboxamide, 3-[(4-chlorophenyl)[2-(trifluoromethyl)phenyl]methoxy]-N-(1,1-dimethylpropyl)- (9CI)  
 MF C23 H26 Cl F3 N2 O2



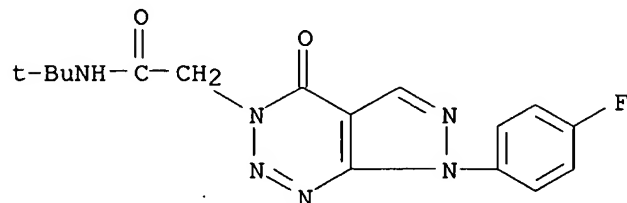
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Acetamide, 2-(3-chloro-5-methoxyphenoxy)-N-(1,1-dimethyl-2-butynyl)-2-(methylsulfonyl)- (9CI)  
 MF C16 H20 Cl N O5 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN INDEX NAME NOT YET ASSIGNED  
 MF C16 H17 F N6 O2

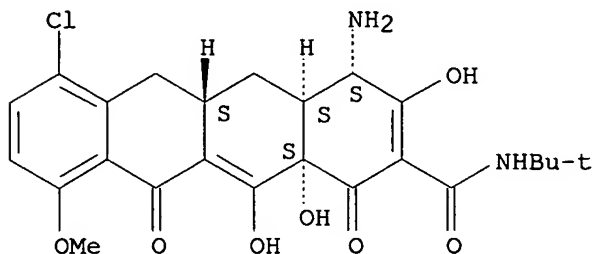


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

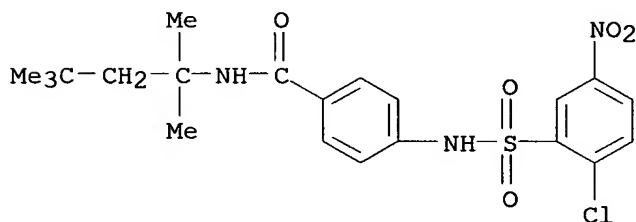
IN 2-Naphthacenecarboxamide, 4-amino-7-chloro-N-(1,1-dimethylethyl)-  
 1,4,4a,5,5a,6,11,12a-octahydro-3,12,12a-trihydroxy-10-methoxy-1,11-dioxo-,  
 (4S,4aS,5aS,12aS)- (9CI)  
 MF C24 H27 Cl N2 O7  
 CI COM

Absolute stereochemistry.



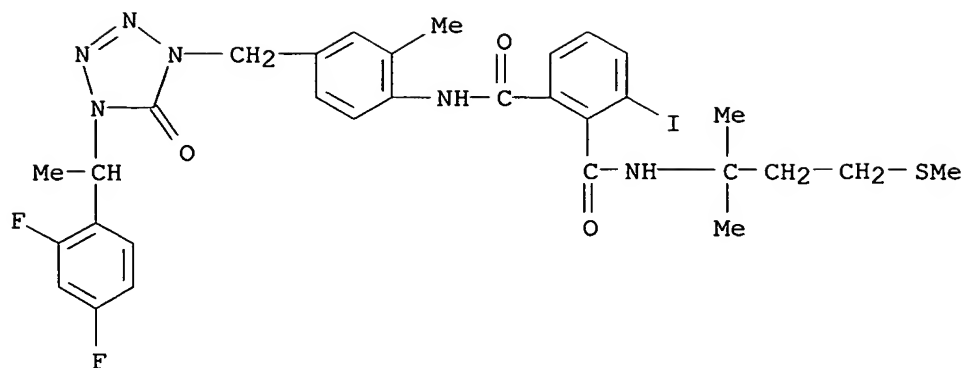
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Benzamide, 4-[[[2-chloro-5-nitrophenyl)sulfonyl]amino]-N-(1,1,3,3-  
 tetramethylbutyl)- (9CI)  
 MF C21 H26 Cl N3 O5 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN 1,2-Benzenedicarboxamide, N1-[4-[[4-[1-(2,4-difluorophenyl)ethyl]-4,5-  
 dihydro-5-oxo-1H-tetrazol-1-yl)methyl]-2-methylphenyl]-N2-[1,1-dimethyl-3-  
 (methylthio)propyl]-3-iodo- (9CI)  
 MF C31 H33 F2 I N6 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

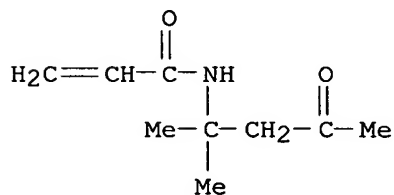
L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Hexanedioic acid, dihydrazide, polymer with cyclohexyl  
2-methyl-2-propenoate, N-(1,1-dimethyl-3-oxobutyl)-2-propenamide,  
1,2-ethanediyl bis(2-methyl-2-propenoate), ethenylbenzene, 2-ethylhexyl  
2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-propenoic acid,  
ammonium salt (9CI)

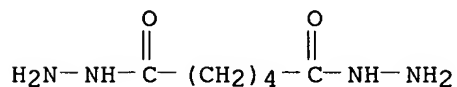
MF (C11 H20 O2 . C10 H16 O2 . C10 H14 O4 . C9 H15 N O2 . C8 H8 . C6 H14 N4 O2  
. C5 H8 O2 . C4 H6 O2)x . x H3 N

CM 1

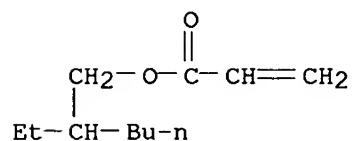
CM 2



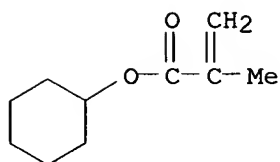
CM 3



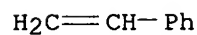
CM 4



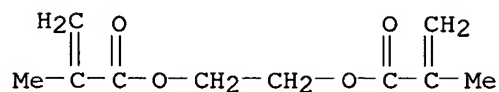
CM 5



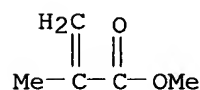
CM 6



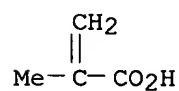
CM 7



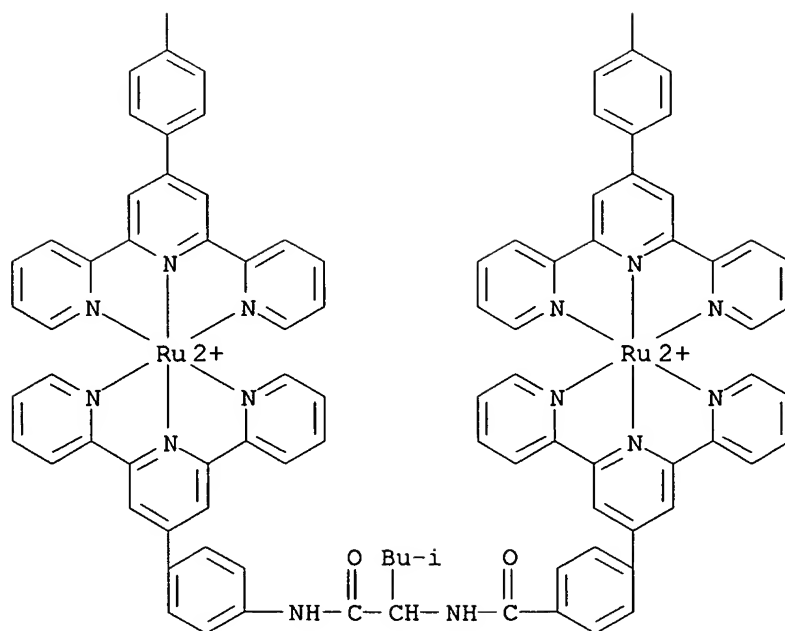
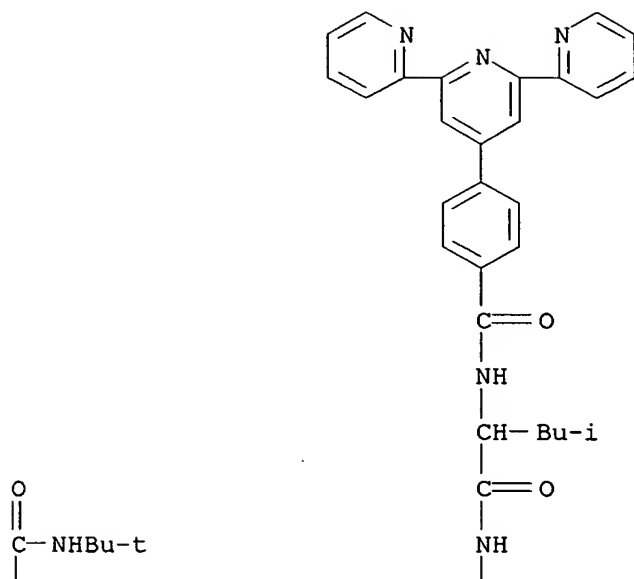
CM 8



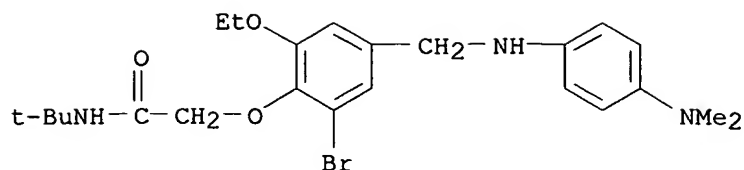
CM 9



L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Ruthenium(4+), [N-(1,1-dimethylethyl)-4-([2,2':6',2''-terpyridin]-4'-yl-  
 $\kappa$ N1, $\kappa$ N1', $\kappa$ N1'')benzamide] [ $\mu$ -[N-[(1S)-3-methyl-1-[[[4-  
 ([2,2':6',2''-terpyridin]-4'-yl- $\kappa$ N1, $\kappa$ N1', $\kappa$ N1'')phenyl]am  
 ino]carbonyl]butyl]-4-([2,2':6',2''-terpyridin]-4'-yl-  
 $\kappa$ N1, $\kappa$ N1', $\kappa$ N1'')benzamide]] [N-[(1S)-3-methyl-1-[[[4-  
 ([2,2':6',2''-terpyridin]-4'-yl- $\kappa$ N1, $\kappa$ N1', $\kappa$ N1'')phenyl]am  
 ino]carbonyl]butyl]-4-[2,2':6',2''-terpyridin]-4'-ylbenzamide]di- (9CI)  
 MF C124 H104 N20 O5 Ru2  
 CI CCS, COM



L13 50 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN  
 IN Acetamide, 2-[2-bromo-4-[[[4-(dimethylamino)phenyl]amino]methyl]-6-ethoxyphenoxy]-N-(1,1-dimethylethyl)- (9CI)  
 MF C23 H32 Br N3 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	173.37	197.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

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FILE COVERS 1907 - 31 May 2005 VOL 142 ISS 23  
 FILE LAST UPDATED: 30 May 2005 (20050530/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:04:44 ON 31 MAY 2005)

FILE 'CAPLUS' ENTERED AT 11:05:05 ON 31 MAY 2005

L1 69304 ISOCYANATE  
 L2 845 KETENIMINE  
 L3 50 L1 AND L2  
 L4 36 L1(L) L2  
 L5 180245 ?DIAMINE  
 L6 2 L4 AND L5

FILE 'REGISTRY' ENTERED AT 11:48:40 ON 31 MAY 2005

L7 STRUCTURE UPLOADED  
 L8 STRUCTURE UPLOADED



L9 44 SEARCH L8 SSS FULL  
L10 STRUCTURE UPLOADED  
L11 50 SEARCH L10 SSS SAM  
L12 STRUCTURE UPLOADED  
L13 50 SEARCH L12 SSS SAM

FILE 'CAPLUS' ENTERED AT 12:06:20 ON 31 MAY 2005

=> imine logoff hold  
19158 IMINE  
13404 IMINES  
26756 IMINE  
(IMINE OR IMINES)  
0 LOGOFF  
34792 HOLD  
24207 HOLDS  
58120 HOLD  
(HOLD OR HOLDS)  
L14 0 IMINE LOGOFF HOLD  
(IMINE (W) LOGOFF (W) HOLD)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.27	206.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 12:11:12 ON 31 MAY 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4 FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5 FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6 FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7 MAR 02	GBFULL: New full-text patent database on STN
NEWS	8 MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9 MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10 MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11 MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12 MAR 22	PATDPASPC - New patent database available
NEWS	13 MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags

NEWS 14 APR 04 EPFULL enhanced with additional patent information and new fields

NEWS 15 APR 04 EMBASE - Database reloaded and enhanced

NEWS 16 APR 18 New CAS Information Use Policies available online

NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.

NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS

NEWS 19 MAY 23 GBFULL enhanced with patent drawing images

NEWS 20 MAY 23 REGISTRY has been enhanced with source information from CHEMCATS

NEWS 21 MAY 26 STN User Update to be held June 6 and June 7 at the SLA 2005 Annual Conference

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FILE 'HOME' ENTERED AT 07:21:04 ON 01 JUN 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:21:08 ON 01 JUN 2005

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STRUCTURE FILE UPDATES: 30 MAY 2005 HIGHEST RN 851366-70-6

DICTIONARY FILE UPDATES: 30 MAY 2005 HIGHEST RN 851366-70-6

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\*\*\*\*\*

\*  
 \* The CA roles and document type information have been removed from \*  
 \* the IDE default display format and the ED field has been added, \*  
 \* effective March 20, 2005. A new display format, IDERL, is now \*  
 \* available and contains the CA role and document type information. \*  
 \*  
 \*\*\*\*\*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e isophorone diisocyanate/cn

E1	1	ISOPHORONE DIAMINE-VESTICOAT UT 647 COPOLYMER/CN
E2	1	ISOPHORONE DIICYNATE-UPICACOAT GV 150 COPOLYMER/CN
E3	1 -->	ISOPHORONE DIISOCYANATE/CN
E4	1	ISOPHORONE DIISOCYANATE 2-HYDROXYPROPYL ACRYLATE (1:2) ADDUCT/CN
E5	1	ISOPHORONE DIISOCYANATE ADDUCT WITH 2-ETHYLHEXANOL AND N,N-DIMETHYLAMINOETHANOL/CN
E6	1	ISOPHORONE DIISOCYANATE ADDUCT WITH TRIETHYLENE GLYCOL MONOMETHYL ETHER AND N,N-DIMETHYLAMINOETHANOL/CN
E7	1	ISOPHORONE DIISOCYANATE CAPROLACTAM ADDUCT (1:2)/CN
E8	1	ISOPHORONE DIISOCYANATE CYCLIC TRIMER/CN
E9	1	ISOPHORONE DIISOCYANATE DIUREA WITH OCTADECYLAMINE/CN
E10	1	ISOPHORONE DIISOCYANATE DIURETHANE WITH 4-OCTYLPHENOL ETHOXYLATE/CN
E11	1	ISOPHORONE DIISOCYANATE DIURETHANE WITH OCTADECYL ALCOHOL/CN
E12	1	ISOPHORONE DIISOCYANATE DIURETHANE WITH TETRAHYDROABIETYL ALCOHOL/CN

=> e3

L1 1 "ISOPHORONE DIISOCYANATE"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 4098-71-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Isocyanic acid, methylene(3,5,5-trimethyl-3,1-cyclohexylene) ester (7CI, 8CI)

OTHER NAMES:

CN 1,3,3-Trimethyl-1-(isocyanatomethyl)-5-isocyanatocyclohexane

CN 1-(Isocyanatomethyl)-5-isocyanato-1,3,3-trimethylcyclohexane

CN 1-Isocyanato-3,3,5-trimethyl-5-(isocyanatomethyl)cyclohexane

CN 1-Isocyanato-3-(isocyanatomethyl)-3,5,5-trimethylcyclohexane

CN 1-Isocyanato-5-(isocyanatomethyl)-3,3,5-trimethylcyclohexane

CN 3,3,5-Trimethyl-5-(isocyanatomethyl)cyclohexyl isocyanate

CN 3-(Isocyanatomethyl)-3,5,5-trimethylcyclohexyl isocyanate

CN 5-Isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane

CN IPDI

CN **Isophorone diisocyanate**

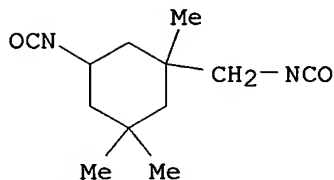
FS 3D CONCORD

DR 124961-52-0, 63793-40-8, 129212-17-5, 101701-80-8, 102771-74-4,  
 105439-02-9, 66708-07-4, 50974-99-7, 74091-63-7, 74520-92-6, 70936-97-9,  
 146282-59-9, 146665-38-5, 149579-36-2, 88778-74-9, 26602-93-7, 52985-93-0,  
 110648-35-6, 111093-75-5, 194936-84-0

MF C12 H18 N2 O2

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DIOGENES, DIPPR\*,  
EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC,  
PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4657 REFERENCES IN FILE CA (1907 TO DATE)  
3520 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4662 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

7.30	7.51
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SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:22:24 ON 01 JUN 2005